

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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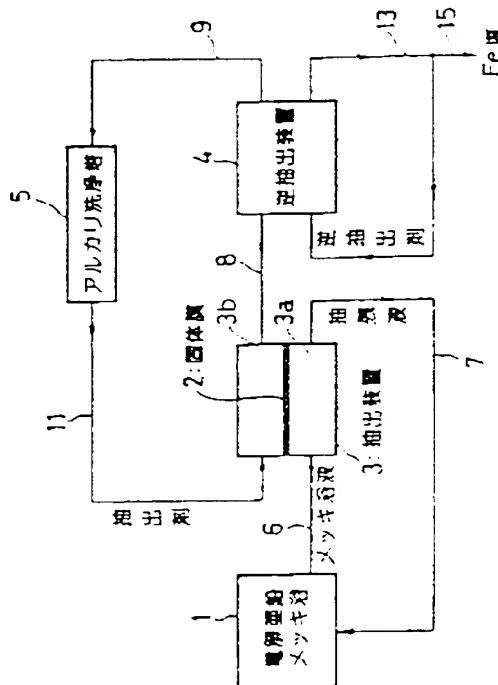
APPLICATION DATE : 18-04-86  
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APPLICANT : KURITA WATER IND LTD;

INVENTOR : OHASHI NORIO;

INT.CL. : C25D 21/18 C22B 7/00

TITLE : METHOD FOR EXTRACTING METAL



ABSTRACT : PURPOSE: To effectively extract and remove Fe ions from a galvanizing bath by contact with an extracting reagent by using a specified acidic extracting reagent and a specified basic extracting reagent as the extracting reagent.

CONSTITUTION: A galvanizing bath 1 of <3 pH contg. Fe ions as impurities is introduced into an extracting apparatus 3 provided with a porous solid membrane 2 of polytetrafluoroethylene or the like and the bath 1 is brought into contact with an extracting reagent with the membrane 2 in-between to extract into an extracting agent 11 and remove the Fe ions. At this time, a soln. prep'd. by diluting an acidic extracting reagent such as 2-ethylhexyl phosphonate and a basic extracting reagent such as 1-(3-ethylpentyl)-4- ethyloctylamine or other primary to quat. amine in 0.1:1-1:1 molar ratio with CCl<sub>4</sub>, heptane or the like is used as the extracting reagent. The Fe ions in the extracting reagent, after passing through an alkali is washing tower 5, are sent to a back-extracting apparatus 4, where the Fe ions are extracted and removed with a reducing agent such as sodium dithionite as a back- extracting reagent.

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Mobius et al.  
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